1 VQE results Aer Estimator (With Shots)

		(Full Hamiltonian)			Anharmonic Oscillator $\Lambda =$		= 32 COYBLA Max 10k Iterations				
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time
RA r1 r	l 1e-01	10000	100/100	56	-5.2711e+01	1.4979e + 02	-5.2711e+01	4.2389e+02	4.2389e+02	6.1822e - 06	03h 12m 17s
RA r1 r	1e-02	10000	100/100	76	-8.9058e+01	1.2901e+02	-8.9058e+01	4.4616e+02	$4.4616e{+02}$	-	$03h\ 33m\ 15s$
RA r1 r	l 1e-03	10000	100/100	95	-1.1718e+02	1.3305e+02	-1.1718e+02	5.4578e + 02	5.4578e + 02	-	$04h\ 10m\ 35s$
RA r1 r	l 1e-04	10000	100/100	119	-3.3996e+01	1.3905e+02	-3.3996e+01	4.8747e + 02	4.8747e + 02	-	$04h\ 30m\ 41s$
RA r1 r	l 1e-05	10000	100/100	137	-2.6981e+00	1.2408e+02	-2.6981e+00	4.2647e + 02	4.2647e + 02	-	06h~32m~24s
RA r1 r	l 1e-06	10000	100/100	154	-6.622e+01	1.2837e + 02	-6.622e+01	4.7909e+02	4.7909e+02	-	07h~01m~50s
RA r1 r	l 1e-07	10000	100/100	179	4.9065e+01	1.4364e + 02	4.9065e+01	4.5925e+02	4.5925e+02	-	07h 31m 07s
RA r1 r	l 1e-08	10000	100/100	197	-2.1911e+02	1.5174e + 02	-2.1911e+02	4.0328e+02	4.0328e+02	-	$07h\ 30m\ 23s$
Ansatz	Tolerance	Shots	Converged runs	Mean iter	VQE min E.	σ_{min}	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time

Table 1